



UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office

NOTICE OF ALLOWANCE AND ISSUE FEE DUE

021567 MM12/1202
WELLS ST JOHN ROBERTS GREGORY AND MATKIN
SUITE 1300
601 W FIRST AVENUE
SPOKANE WA 99201-3828

APPLICATION NO.	FILING DATE	TOTAL CLAIMS	EXAMINER AND GROUP ART UNIT	DATE MAILED
08/920,329	08/20/97	049	JEANGLAUDE, J 2819	12/02/99
First Named Applicant	TUTTLE,	35 USC 154(b) term ext. =	0 Days.	

TITLE OF INVENTION CARDS, COMMUNICATION DEVICES, AND METHODS OF FORMING AND ENCODING VISIBLY PERCEPTIBLE INFORMATION ON THE SAME

ATTY'S DOCKET NO.	CLASS-SUBCLASS	BATCH NO.	APPLN. TYPE	SMALL ENTITY	FEE DUE	DATE DUE
2 NI40-081	340-825.310	E97	UTILITY	NO	\$1210.00	03/02/00

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED.

THE ISSUE FEE MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED.

HOW TO RESPOND TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

- A. If the status is changed, pay twice the amount of the FEE DUE shown above and notify the Patent and Trademark Office of the change in status, or
- B. If the status is the same, pay the FEE DUE shown above.

If the SMALL ENTITY is shown as NO:

- A. Pay FEE DUE shown above, or
- B. File verified statement of Small Entity Status before, or with, payment of 1/2 the FEE DUE shown above.

II. Part B-Issue Fee Transmittal should be completed and returned to the Patent and Trademark Office (PTO) with your ISSUE FEE. Even if the ISSUE FEE has already been paid by charge to deposit account, Part B Issue Fee Transmittal should be completed and returned. If you are charging the ISSUE FEE to your deposit account, section "4b" of Part B-Issue Fee Transmittal should be completed and an extra copy of the form should be submitted.

III. All communications regarding this application must give application number and batch number. Please direct all communications prior to issuance to Box ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

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**UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office**

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Washington, D.C. 20231

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.
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08/920,329 08/20/97 TUTTLE

M MI40-081

EXAMINER

021567 MM12/1202
WELLS ST JOHN ROBERTS GREGORY AND MATKIN
SUITE 1300
601 W FIRST AVENUE
SPOKANE WA 99201-3828

JEANGLAUBE J
ART UNIT PAPER NUMBER

2819
DATE MAILED:

12/02/99

Please find below and/or attached an Office communication concerning this application or proceeding.

Commissioner of Patents and Trademarks

Notice of Allowability

Application No.
08/920,329

Applicant(s)
Mark E. Tuttle

Examiner
Jean B. Jeanglaude

Group Art Unit
2819



All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance and Issue Fee Due or other appropriate communication will be mailed in due course.

☒ This communication is responsive to 11-03-99

☒ The allowed claim(s) is/are 1-49

☐ The drawings filed on _____ are acceptable.

☐ Acknowledgement is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d).

☐ All ☐ Some* ☐ None of the CERTIFIED copies of the priority documents have been

☐ received.

☐ received in Application No. (Series Code/Serial Number) _____

☐ received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

*Certified copies not received: _____

☐ Acknowledgement is made of a claim for domestic priority under 35 U.S.C. § 119(e).

A SHORTENED STATUTORY PERIOD FOR RESPONSE to comply with the requirements noted below is set to EXPIRE **THREE MONTHS** FROM THE "DATE MAILED" of this Office action. Failure to timely comply will result in ABANDONMENT of this application. Extensions of time may be obtained under the provisions of 37 CFR 1.136(a).

☐ Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL APPLICATION, PTO-152, which discloses that the oath or declaration is deficient. A SUBSTITUTE OATH OR DECLARATION IS REQUIRED.

☐ Applicant MUST submit NEW FORMAL DRAWINGS

☐ because the originally filed drawings were declared by applicant to be informal.

☐ including changes required by the Notice of Draftsperson's Patent Drawing Review, PTO-948, attached hereto or to Paper No. _____

☐ including changes required by the proposed drawing correction filed on _____, which has been approved by the examiner.

☐ including changes required by the attached Examiner's Amendment/Comment.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the reverse side of the drawings. The drawings should be filed as a separate paper with a transmittal letter addressed to the Official Draftsperson.

☐ Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Any response to this letter should include, in the upper right hand corner, the APPLICATION NUMBER (SERIES CODE/SERIAL NUMBER). If applicant has received a Notice of Allowance and Issue Fee Due, the ISSUE BATCH NUMBER and DATE of the NOTICE OF ALLOWANCE should also be included.

Attachment(s)

☐ Notice of References Cited, PTO-892

☐ Information Disclosure Statement(s), PTO-1449, Paper No(s). _____

☐ Notice of Draftsperson's Patent Drawing Review, PTO-948

☐ Notice of Informal Patent Application, PTO-152

☐ Interview Summary, PTO-413

☐ Examiner's Amendment/Comment

☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material

☒ Examiner's Statement of Reasons for Allowance

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This action is responsive to communication filed on November 3, 1999.

Response to Amendments/Arguments

The Examiner has withdrawn the rejection of claims 1 - 49 as was noted in the last office action.

Allowable Subject Matter

1. Claims 1 - 49 are allowable.
2. The following is a statement of reasons for the indication of allowable subject matter: in combination with other limitations of the claims the prior arts made of record fail to suggest a remote intelligent communication device which comprises a side having visibly perceptible information thereon and the dimension of the side being less than smallest dimensions of the upper and lower surfaces

in combination with other limitations of the claims the prior arts made of record fail to suggest a card and method that comprises at least one side having a dimension intermediate the upper and lower surfaces less than smallest dimensions of the upper and lower surfaces.

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in combination with other limitations of the claims the prior arts made of record fail to suggest a method of forming a card that comprises a side having visibly perceptible information having a thickness less than the lengths and widths of the surfaces of the card.

in combination with other limitations of the claims the prior arts made of record fail to suggest a method of forming a remote intelligent communication device that comprises the step of encapsulating the communication circuitry thereby forming a card thin housing with the substrate, the housing including an upper surface, a lower surface, and at least one side extending between the upper and lower surfaces, the side having a dimension less than smallest dimensions of the upper and lower surfaces.

In combination with other limitations of the claims the prior arts made of record fail to suggest a method of encoding visibly perceptible information on a communication device that comprises the step of providing a card housing communication circuitry therein, the card having upper and lower surfaces interconnected by side surfaces, the side surfaces individually having a dimension less than smallest dimension of the upper and lower surfaces.

In combination with other limitations of the claim the prior arts made of record fail to suggest a method of forming a communication device that cures the flowable encapsulant

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on the substrate into a solid housing having an upper surface and lower surface interconnected by side surfaces defining a housing thickness.

In combination with other limitations of the claim the prior arts made of record fail to suggest a method of forming a communication device that comprises the step of applying and curing an encapsulant over the first substrate to form a composite substrate including the first substrate and the encapsulant.

In combination with other limitations of the claim the prior arts made of record fail to suggest a communication device that comprises a cured resin and substrate that forms a housing having an upper surface and a lower surface interconnected by side surfaces, the side surfaces individually having a dimension less than smallest dimensions of the upper and lower surfaces

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Contact Information

3. An inquiry concerning this communication or earlier communications from the examiner should be directed to Jean B. Jeanglaude whose telephone number is (703) 306-3405. The examiner can normally be reached on Monday through Friday from 8:00 A.M. to 4:00 P.M..

4. If attempts to reach the Examiner by telephone are unsuccessful, the examiner's supervisor, Mr. Michael Tokar, can be reached on (703) 308 - 0956. The fax phone number for this Group is (703) 308 - 7722.

5. Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Group receptionist whose telephone number is (703) 305 -8576.

Jean B. Jeanglaude

Jean B. Jeanglaude

November 19, 1999

Michael J. Tokar

Michael Tokar
Supervisory Patent Examiner
Technology Center 2800